

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Docket No.: PF-0475-2 DIV

Inventors: Lal et al.

Title: HUMAN SHORT-CHAIN DEHYDROGENASE

Serial No.: To Be Assigned

FIGURE 1B

387	GTG	GTG	TGC	GAT	TCA	AGC	CAG	GAG	AGT	GAA	GTG	CGA	ACG	CTG	TTT	GAG	CAA	GTG	432
	V	C	D	S	S	S	Q	E	S	E	V	R	T	L	F	E	Q	V	
441	GAT	CGG	GAA	CAG	CAA	GGG	CGT	CTA	GAT	GTG	CTG	GTC	AAC	AAT	GCT	TAT	GCA	GGG	486
	D	R	E	Q	Q	G	R	L	D	V	L	V	N	N	A	Y	A	G	
495	GTC	CAG	ACG	ATC	CTG	AAC	ACC	AGG	AAT	AAG	GCA	TTC	TGG	GAA	ACC	CCT	GCC	TCC	540
	V	Q	T	I	L	N	T	R	N	K	A	F	W	E	T	P	A	S	
549	ATG	TGG	GAT	GAT	ATC	AAC	AAC	GTC	GGA	CTC	AGA	GGC	CAC	TAC	TTT	TGC	TCA	GTG	594
	M	W	D	D	I	N	N	V	G	L	R	G	H	Y	F	C	S	V	
603	TAT	GGG	GCA	CGG	CTG	ATG	GTA	CCA	GCT	GGC	CAG	GGG	CTC	ATC	GTG	GTC	ATC	TCC	648
	Y	G	A	R	L	M	V	P	A	G	Q	G	L	I	V	V	I	S	
657	TCC	CCA	GGA	AGC	CTG	CAG	TAT	ATG	TTC	AAT	GTC	CCC	TAT	GGT	GTG	GGC	AAA	GCT	702
	S	P	G	S	L	Q	Y	M	F	N	V	P	Y	G	V	G	K	A	

Figure 1B

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1035      1044      1053      1062      1071      1080
TCT TTG AGC TCT GTT CTC TCA CAC GTG TCC GGC CTG GGC TGG CTG GCC TCC TAC
S L S S V L S H V S G L G W L A S Y

1089      1098      1107      1116      1125      1134
CTG CCC TCC TTC CTC CGT GTG CCC AAG TGG ATT ATT GCC CTC TAC ACT AGC AAG
L P S F L R V P K W I I A L Y T S K

1143      1152      1161      1170      1179      1188
TTC TAA CCC TCC TGG TCT GAC ACT ACG TCT CTG CTT GTC TTC TCA TTT GGA CTT
F

1197      1206      1215      1224      1233      1242
GGT GGT TCG TCC TGT CTC AGT GAA ACA GCA GCC TTT CTT GTT TAC CCA TAC CCT

1251      1260      1269      1278      1287      1296
TGA TAT GAA GAG AAG CCC TCT GCT GTG TGT CCG TGG TGA GTT CTG GGG TGC GCC

1305      1314      1323      1332      1341      1350
TAG GTC CCT TCT TTG TGC CTT GGT TTT CCT TGT CCT TCT TTT TAC TTT TTG CCT

1359      1368      1377      1386
TAG TAT TGA AAA ATG CTC TTG GAG CTA ATA AAA GTC TA 3'

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Figure 1D

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100-100000

1	MAAPMNGQVCVVTGASRGIGRGIALQLCKAGATVYITGRH	356351
1	MGVILQDQVALVTGASRGIGRGIALQLGEAGATVYITGR	GI 2315796
41	LDTLRVVAQEAQSLGGQCVPVVCDSSQES	356351
41	PELSDNFRGLPSLDYVAKETISRGGKGIALYVDHSNMT	GI 2315796
71	VRTLFEQVDRQQGRLLDVLVNNAYAGVQTILLNTRNKAFWE	356351
81	VKFLFEKIKEDEEGKLDILLVNNVYNSLGKATEMIGKTF	GI 2315796
111	TPASMWDDINNVLGRGHYFCSVYGARLMVPPAGQGLIVVIS	356351
121	QDPSFWDDINGVGLRNHYCYCSVYARMVERRKGLIVNVG	GI 2315796
151	SPGSLQYMFNVYPYGVGKAACDKLAADCAHELRRHGVSCVS	356351
161	SLGGLKYVFNVAAGAGKEALARMSTDMAVELNPNVVCVVT	GI 2315796
191	LWPGIVQTELLKEHMAKEE	356351
201	LIPGPVKTEITANRTIIDDAYKMIKENPELEEF	GI 2315796
228	TTELSGKCVVALATDPNILLSGKVLPSCDLARRYGLRDV	356351
237	STEYTGKALARLAMDPGLKKSGLKTLFTEDLAQKYDFS	GI 2315796
268	DGRPV	356351
277	QDYLSLSSVLSHVSGLGWLASVLPSTFLRVPKWI	GI 2315796
306	HGAGMEPQNIIRSLRTILGTMGKEE-VAKYIPQIKLPKWV	
316	IALYTSKF	356351
	IWQSVNRF	GI 2315796

Figure 2